

CLAIMS

1. A front device including a box member formed by welding together an upper flange, a lower flange, a left web and a right web; and a boss located at least at one end of said box member and welded to the ends of said upper flange, said lower flange, said left web and said right web, characterized in that:

a bent plate portion which is bent inward is provided for at least one side web of said left web or said right web; and

a reinforcement plate is located outside of said bent plate portion and arranged between said one side web and said boss.

2. A front device including a box member formed by welding together an upper flange, a lower flange, a left web and a right web; and a boss located at least at one end of said box member and welded to the ends of said upper flange, said lower flange, said left web and said right web, characterized in that:

a bent plate portion which is bent inward is provided for at least one side flange of said upper flange or said lower flange; and

a reinforcement plate is located outside of said bent plate portion and arranged between said one side flange and said boss.

5 3. A front device including a box member formed by welding together an upper flange, a lower flange, a left web and a right web; and a boss located at least at one end of said box member and welded to the ends of said upper flange, said lower flange, said left web and said right web,
10 characterized in that:

one bent plate portion which is bent inward is provided for at least one side web of said left web or said right web, and another bent plate portion which is bent inward is provided for at least one side flange of said upper flange or
15 said lower flange;

one reinforcement plate is located outside of said one bent plate portion and arranged between said one side web and said boss; and

another reinforcement plate is located outside of said
20 other bent plate portion and arranged between said one side flange and said boss.

4. A front device as defined in claim 1, 2 or 3,

wherein said box member serves as at least one component of a lower boom which is liftably coupled with the body of a construction machine, an upper boom which is pivotally coupled with the distal end of said lower boom for swinging movements in leftward and rightward directions, or an arm which is rotatably coupled with the distal end of said upper boom through an arm support member and to which a work tool is attached.

10 5. A front device as defined in claim 1, 2 or 3, wherein said box member serves as at least one component of a boom which is liftably coupled with the body of a construction machine, and an arm which is rotatably coupled with the distal end of said boom and to which a work tool is attached.

15